INSTRUCTION MANUAL

SENAO

SENAO INTERNATIONAL CO., LTD.

P/N: 670901003010

SENAO

SN-358

INSTRUCTION MANUAL

Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions.

2. Follow all warnings and instructions marked on the product.

3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

4. Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in wet basement, or near a swimming pool.

5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.

6. Slots and openings in the cabinet and back or bottom are provided for ventilation. To protect it from overheating, these openings must not be blocked or covered. The opening should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

7. Use only the power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.

8. Do not allow anything to reset on the power cord. Do not locate this product where the cord will be damaged by persons walking on it.

9. Do not overload wall outlets and extension cords as this can result in the risk of fire or electric shock.

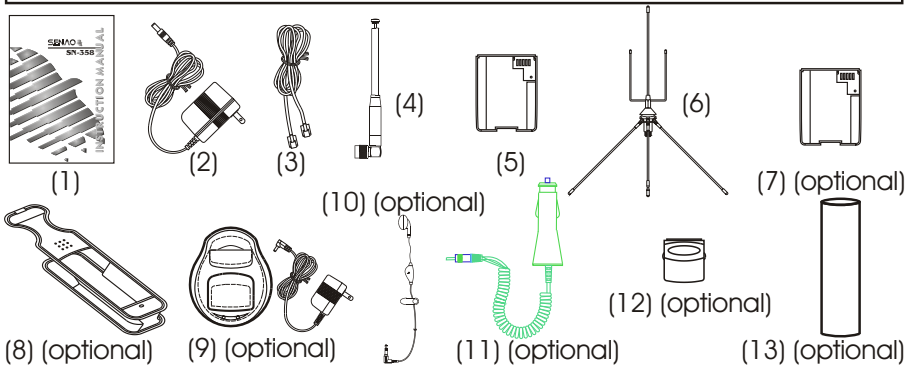
Thank you for purchasing this SN-358 cordless telephone, one of the high-quality products of SENAO. To obtain optimum performance, be sure to read this manual carefully before starting operation and keep it for future reference.

Before Initial Use

Please read IMPORTANT SAFETY INSTRUCTIONS on pages 36~37 before use. Read and understand all instructions.

Accessories

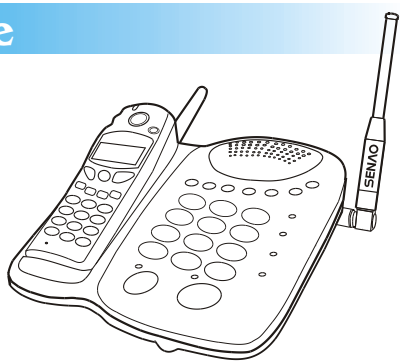
1	Instruction manual	1 book
2	AC adaptor for base unit (DC 12V/ 800mA)	1 pcs
3	Telephone line	1 pcs
4	Telescopic antenna for base unit	1 pcs
5	Battery (Ni-MH/650mAh)	1 pcs
6	Outdoor Antenna with cable	1 pcs
7	Battery (Li-ION/1030mAh)	(optional)
8	Leather pouch	(optional)
9	Charger with AC adaptor (DC 12V/800mA)	(optional)
10	Ear-microphone	(optional)
11	Cigarette adaptor	(optional)
12	Ear Phone jack	(optional)
13	Booster for base	(optional))



For Best Performance

Battery Charge

To power the handset, install the battery (p.10) and charge it for about 12 hours before initial use (p.13).

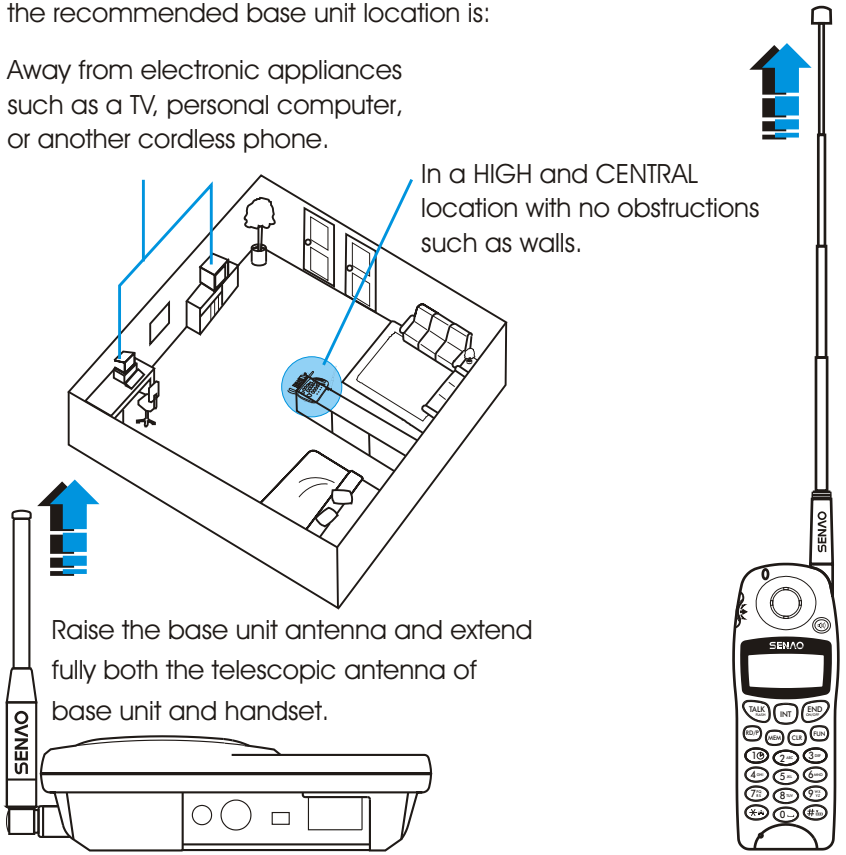


Operating Distance/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. For maximum distance and noise free operation, the recommended base unit location is:

Away from electronic appliances such as a TV, personal computer, or another cordless phone.

In a HIGH and CENTRAL location with no obstructions such as walls.



Raise the base unit antenna and extend fully both the telescopic antenna of base unit and handset.

Specification

Item	Base unit	Handset
Transmitter		
Frequency	394 MHz	268 MHz
Output power	1 W	450 m W
Spurious emission	55 dBc	55 dBc
Current consumption		
Stand-by	160 mA	5~10 mA
Talk	600 mA	350 mA
Receiver		
Frequency	268MHz	394MHz
Sensitivity at 12 dB SINAD (CCITT)	-122dBm	-122dBm
Adjacent channel rejection	50 dBc	50 dBc
Spurious response	55 dBc	55 dBc
Power source	AC 110V/60 Hz AC 220V/50 Hz DC 12V	3.6V/650 mAh Ni-MH Battery
	W x D x H (m/m) 172 x 158 x 93	L x W x H (m/m) 130 x 48 x 30
Weight	470g	176g

Troubleshootings

If you have difficulty operating on your phone, the below suggestions should solve the problem. If you still have difficulty after trying these suggestions, please call your local SENAO service station for further assistance.

A. The Phone does not work.....

1. Check the installation (P. 9-16)
2. Make sure the power cord is plugged in.
3. Is the handset battery fully charged?
4. Is the handset power on?

B. The handset does not ring.....

1. Make sure the telephone line cord is plugged firmly into the base unit and the telephone jack.
2. You may be too far from the base unit.
3. Check the ringing volume for the handset (P. 26).

C. Interference, static, sound cuts in/out, fades.....

1. Is the telescopic antennas of the base unit and the handset fully extended?
2. Move closer to the base unit.
3. Press FUNC # to change the channel.

D. The battery can not be charged.....

1. Make sure that the handset has been placed on the charger or base correctly.
2. Make sure that the battery has been paced on the charger correctly.

E. The handset display Error 01 or Error 02 or Error 03...

1. Please unload the battery pack then load it again to reset the handset.
2. If the above display content still appears, please re-register handset to bases according to the instruction on page 27.
3. If above procedure doesn't work, please call you local SENAO service center.

Contents

Features - - - - - 5

Location of Controls - - - - - 6

A. Base Unit - - - - - 6

B. Handset - - - - - 7

C. Charger - - - - - 8

Installation - - - - - 9

A. Base Unit - - - - - 9

B. Handset - - - - - 10

C. Twin Charger - - - - - 10

D. Travel Charger (for Additional Handset) - - - - - 11

E. Ear-Microphone - - - - - 11

F. Cigarette adaptor - - - - - 11

G. Ear Phone Jack - - - - - 12

H. Battery Charge - - - - - 13

I. Outdoor Antenna - - - - - 14

Basic Operation for Base - - - - - 17

A. Call function - - - - - 17

B. Setting - - - - - 19

Basic Operation for Handset - - - - - 20

A. Turn On/Off Handset - - - - - 20

B. Making Calls - - - - - 20

C. Answering Calls - - - - - 20

D. Disconnecting calls - - - - - 20

E. Hands-free Speaker Phone - - - - - 20

F. Redial - - - - - 21

G. Call waiting/Receiving a second call - - - - - 21

H. Intercom - - - - - 21

I. Transferring calls - 21
J. Walkie-Talkie between handsets - - - - - - - - - - - - - - 21
K. Voice Volume - 21
L. Changing Channel - 21
M. Automatic Dialing - 22
N. Find Personal Name & Number - - - - - - - - - - - - - - - 22

Menu navigation with Smart Switch - - - - - - - 23
Enter the Menus - 23
Leaving the Menus - 23
Menus and Sub-menus - 23

Using the Options Menu - - - - - - - - - - - - - - - 24
Setup Menu - 25
Memo Menu - 29
INT Menu - 32
TALK Menu - 33
Troubleshooting - 34
Specification - 35
Important Safety Instructions - - - - - - - - - - - - - - - 36

Talk Menu

Press TALK

- **Voice Volume**
- **TRANSFER**
- **Walkie-Talkie**
- **Radio Power** **[Auto , Maximal , High , Middle , Low]**
- **VoiceScramble** **[Off, On]**
- **Change Channel**
- **REDIAL**
- **FLASH**

Once press TALK key, this handset will enter the function of talk mode to allow you to make an out-going call.

Voice Volume
You can scroll the smart switch to adjust the voice volume.

TRANSFER
Once selected, you can transfer the present inter-communication to the another handset after you enter the ID of another handset.

Walkie-Talkie
Once selected, you can hold the present inter-communication and then have the walkie-talkie function worked after you enter the ID of the another handset.

Radio Power--[Auto , Maximal , High , Middle , Low]
This option allows you to set the radio power of your handset. The talk time will be getting longer and communication range will be getting shorter if the selected power is lower. Please select the proper option based on your located environment. The option, Auto, will enable your handset to automatically adjust the radio power based on the distance between base and handset.

VoiceScramble--[Off, On]
This option is used to activate the scrambler function. When "On" is selected, it'll secure your phone conversation.

Change Channel
This option is used to change the present radio channel to the cleaner channel for getting a better voice quality.

REDIAL
Once selected, the last dialed number will be dialed out automatically.

FLASH
This option is used for the call waiting function. It allows you to place the first call on hold for receiving the second call.

INT Menu

Press INT

- **Voice Volume**
- **TRANSFER**
- **Walkie-Talkie**
- **Radio Power** **[Auto , Maximal , High , Middle , Low]**
- **VoiceScramble** **[Off, On]**
- **Change Channel**

Once press INT key, this handset will enter the function of intercommunication.

Voice Volume
You can scroll the smart switch to adjust the voice volume.

TRANSFER
Once selected, you can transfer the present inter-communication to the another handset after you enter the ID of another handset.

Walkie-Talkie
Once selected, you can hold the present inter-communication and then have the walkie-talkie function worked after you enter the ID of the another handset.

Radio Power--[Auto , Maximal , High , Middle , Low]
This option allows you to set the radio power of your handset. The talk time will be getting longer and communication range will be getting shorter if the selected power is lower. Please select the proper option based on your located environment. The option, Auto, will enable your handset to automatically adjust the radio power based on the distance between base and handset.

VoiceScramble--[Off, On]
This option is used to activate the scrambler function. When "On" is selected, it'll secure your phone conversation.

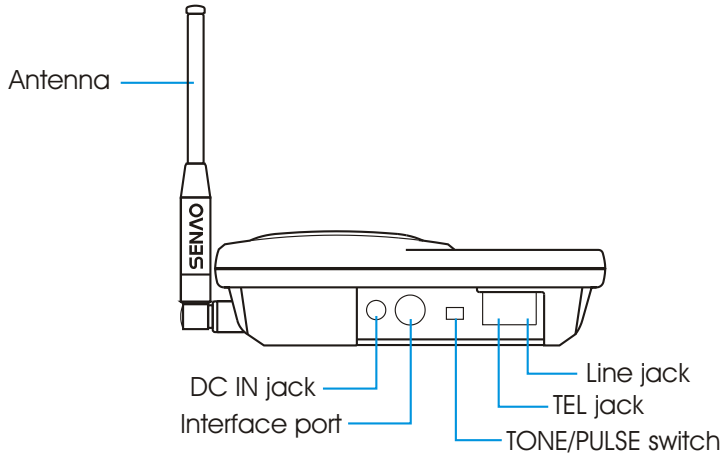
Change Channel
This option is used to change the present radio channel to the cleaner channel for getting a better voice quality.

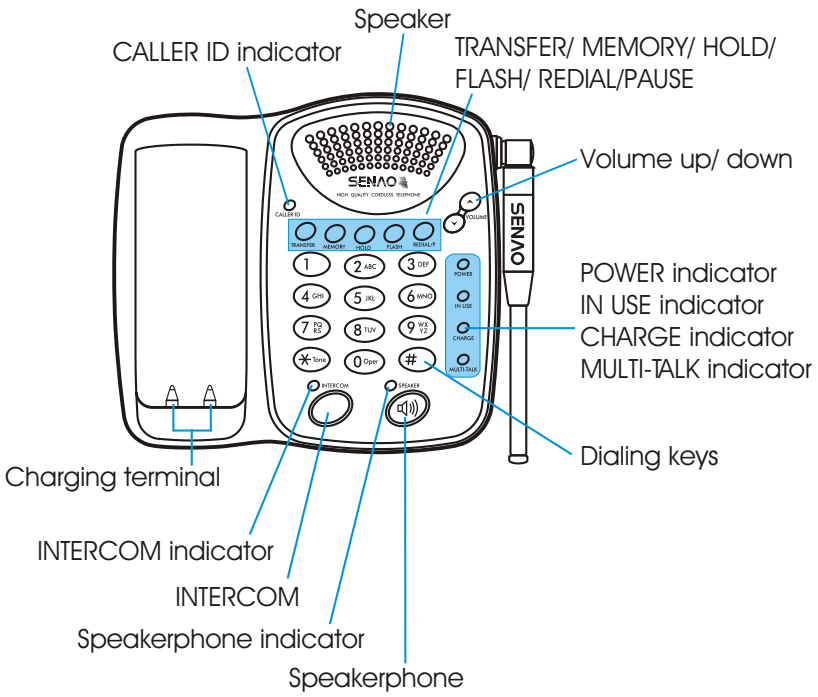
Features

* Multi-channel with auto-scan.
* Multi-handset system (up to 99).
* Walkie-talkie between handsets.
* Handset with speakerphone function.
* Base speakerphone with dial keypad.
* Two-way paging and hand-free intercom .
* 30 Caller ID memory with Time/Date (FSK & DTMF type)
* Caller ID with call waiting (CIDCW).
* 50 Phone book memory with name/number on each handset.
* Last 10 calls redial on handset.
* 20 memory dial on base unit.
* Base unit with last number redial.
* LCD and handset keypad with backlit.
* Tone/Pulse dialing mode selectable.
* Change channel during Conversation.
* 65,536 sets security codes (two-way).
* Flash time programable.
* Ring volume adjustable for both handset and base.
* Voice volume adjustable for both handset and base.
* Music on hold.
* Handset with power saving function.
* Low battery alert and display.
* Built- in voice security circuit (Scrambler).
* Auto answer and auto hang up.
* Transferring a call between handsets and base.
* Out-of-range alert.
* Battery charge indicator.
* Fast charge.
* Selectable ring Tone on handset.(15 melody).and Base (10 melody)
* Adjustable Keypad volume on Handset.
* Real time clock on handset.
* Talk-time display on handset.
* Handset with smart switch.
* Auto power control designed.
* Multi-language display
* Auto detection of FSK And DTMF caller ID signal.

Location of Controls

A. Base Unit





※ *Erase One*

This option is used to erase the selected phone book entry.

2 ReceivedCalls

This option is used to display the information of received calls (max 30 calls)including name and phone number. When selected, LCD screen on handset will display the number of new call (not been accessed) and the total numbers of received calls. You can look over the information by scrolling smart switch. You are able to read its date and time on the first row, as well as its present status on the second row like new (not been accessed), read (read already) and replied (replied already) along with the number in sequence after pressing 1 key. Pressing 1 again, the handset will resume displaying name and phone number.

※ *Reply*

When the displayed name and number is the one that you wish to call, you can press TALK Key or button or select this option to make an out-going call.

※ *Copy To*

This option can be used to save the displayed number to the option of Phone Book. Once the option has been selected, the handset will ask you key in the location number. The location number is from 00 to 49.

※ *Erase One*

When selected, the current record of incoming phone call will be deleted.

※ *Erase All*

This option is used to delete all records of received calls.

3 Walkie-Talkie

This option is used to operate the walkie-talkie function between handset and handset. Once selected, you are requested to enter the ID of the handset that you wish to call. The number of digital of ID is two from 01 to 99. Once target handset answers, the handset will sound " So, So, Do " and display "WALKIE-TALKIE" to confirm this mode accessed already. You can continuously press smart switch to talk and release it to listen to.

※ *Erase One*

When selected, the current record of outgoing phone call will be deleted.

※ *Erase All*

This option is used to delete all records of last 10 calls.

1 Phone Book

This option is used to create and manage your list of personal numbers. When selected, the saved name list and their phone number will be displayed. Two digits from [0] [0] to [4] [9] will appear on LCD screen indicating the saved location, if your phone number over 15 digits, please use key [*] and [#] to query the complete number.

NOTE:

The location of these memories are the same as ones used in the function of Automatic Dialing from [0] to [9] . The saved memory Will be replaced if two approaches are accessed to the same location.

※ *Dial*

When the displayed name and number is the one that you wish to call, you can press [TALK] Key or [🔊] button or select this option to make an out-going call.

※ *Find Name*

This option is used to select a phone number from a list of alphabetically stored Phone Book names. Once selected, this option will display the message "Name:". You can enter the characters of a name whose max. number of characters is 15. The Phone Book entries will be searched and the first matching entry will be displayed.

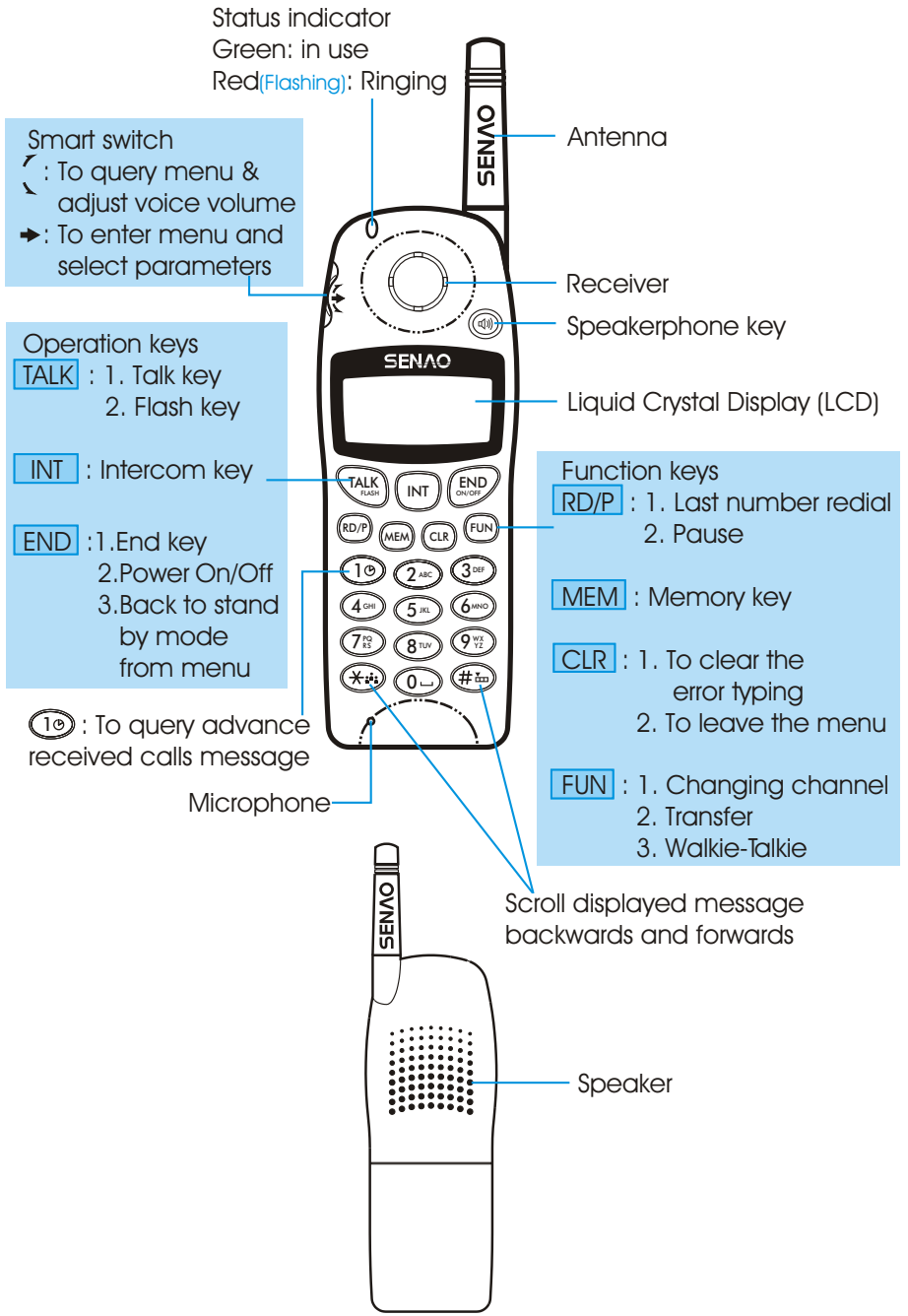
※ *Create New*

This option is used to add (store) entries to the Phone Book. Once selected, this option will display the message "Name:". You can enter the characters of a name whose max. number of characters is 15. Once saved, this option will display the message "Number:". You can enter the number whose max. number of digit is 32. Finally, you'll be requested to key in a two- digit for the number of location.

※ *Modify*

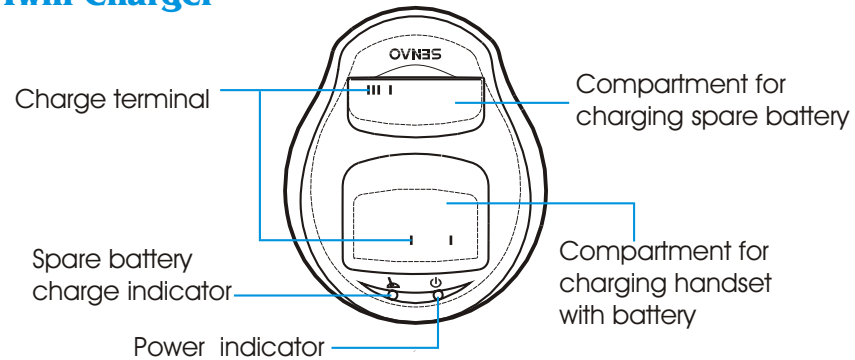
This option is used to change the selected Phone Book entry. You can use the [CLR] key to edit name and phone number.

B. Handset



	Signal strength: The more segments displayed in the bar graph, the better the signal strength.
	In use: Displayed when a call is in progress.
(Flashing)	Ringing or hold the phone call.
	Listening in the Walkie-Talkie function.
	Talking in the Walkie-Talkie function or transferring the phone call.
88	ID number of handset.
(Flashing)	Displayed when a phone call with caller ID have received. Erased in the option of received calls.
	Displayed when scroll unread received calls.
	Displayed when scroll read received calls.
13:30	Real time clock: The real time clock displays the time in a 24-hours format.
	Battery charged indicator: The more segments displayed, the greater the battery charged. When battery low show up, the handset will alarm you with " Bee Bo " sound.

C. Twin Charger



Memo Menu

Select Memo

- **0 Last 10 Calls**
  - 0 Dial
  - 1 Copy To
  - 2 Call Timer
  - 3 Erase One
  - 4 Erase All
- **1 Phone Book**
  - 0 Dial
  - 1 Find Name
  - 2 Create New
  - 3 Modify
  - 4 Erase One
- **2 ReceivedCalls**
  - 0 Reply
  - 1 Copy to
  - 2 Erase One
  - 3 Erase All
- **3 Walkie-Talkie**

0 Last 10 Calls

These options can be used to display the most recently used out-going phone numbers and their talk time. Once this option is selected, use smart key to scroll through the list of phone numbers. The display of L0.....L9 on LCD screen represents the sequence of past outgoing call from latest one to the 10th one.

※ *Dial*

When the displayed number is the one that you wish to call, you can press TALK key or button or select this option to make an out-going call.

※ *Copy To*

This option can be used to save the displayed number to the option of Phone Book. Once the option has been selected, the handset will ask you key in the location number. The location number is from 00 to 49.

※ *Call Timer*

When selected, the handset will display the duration of total talk time. Another sub-option is "RESET COUNTER" displaying for you to set the timer meter to zero.

※ *Master Reset*

This option is used to reset all options you set to default value set by factory.

The screen will display "Reset to Default? to ask you confirm this selection.

3 Set Date&Time

Either set or re-set the accurate date & time when you buy this product or resume operating after blackout on base or press END key and change battery pack on handset longer than one minute.

Under DTMF caller ID system when the LCD screen on handset displays Date &Time erased, reset it", it is to remind you to take setting again.

※ *Date Setting*

When selected, you can check or set the date stored in the handset and base. The format is xx(month)-xx(date)

※ Time Setting

When selected, you can check or set the time stored in the handset and base. The format is xx(hour)-xx(minute)

4 Caller ID-Availability depends on your telephone service

This option allows you to set the caller ID options. These options are:

※ Area Code

With this option, you can set your local area code with a max. 3 digital number. The base will automatically delete the area code of incoming call once the area code of your incoming call is the same as the digital set by you, and just save the phone numbers. This option enables handset not repeat the area code when you reply the local phone call with ReceivedCalls option.

※ +Country Code

When selected, you can set your country code with a max. 3 digital number. The base will automatically add the set country code on the incoming call once the area code of the incoming code is different from the set area code (Refer to above option). It'll allow you not forget to dial country code for the long distance call when you reply the long distance call with received calls option.

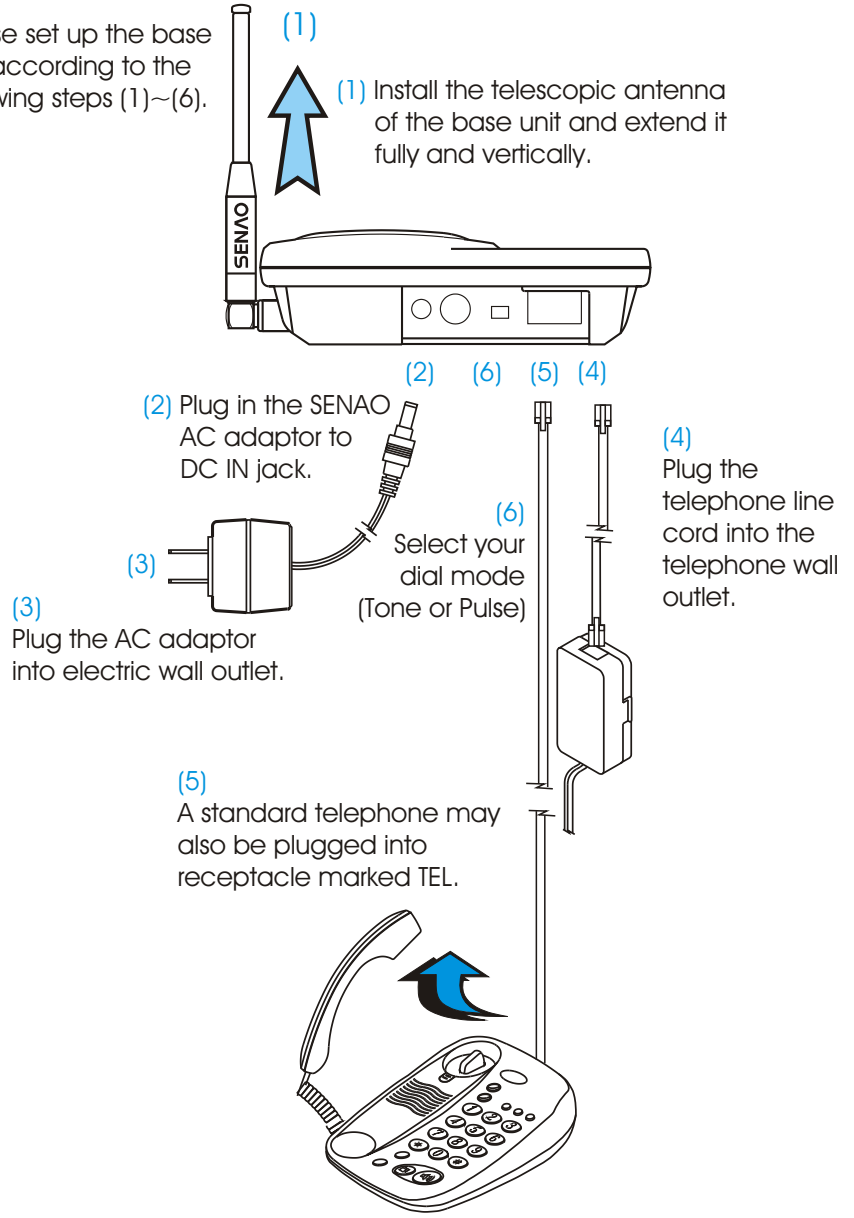
※ Call Waiting--[Off , On]

When On is selected, this option will activate the call waiting function.

Installation

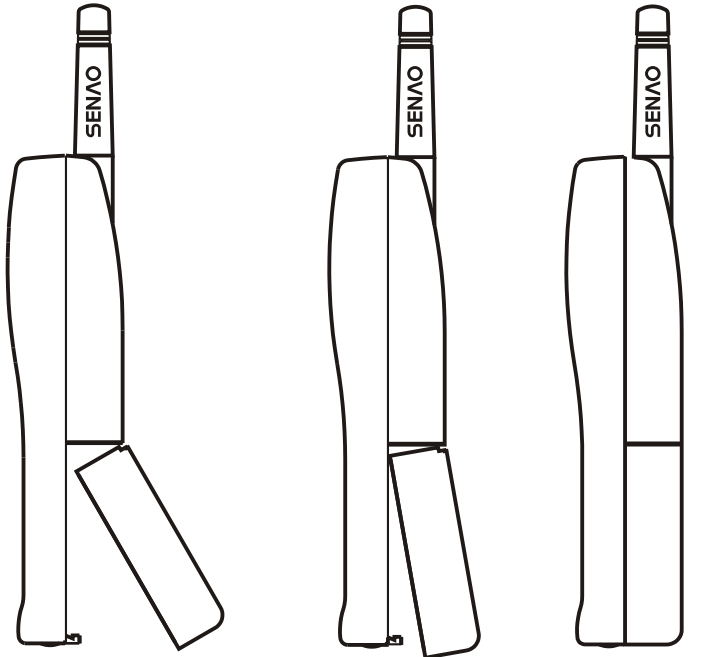
A. Base Unit

Please set up the base unit according to the following steps (1)~(6).


(1)
(1) Install the telescopic antenna of the base unit and extend it fully and vertically.
SENAO
(2)
(6)
(5)
(4)
(2) Plug in the SENAO AC adaptor to DC IN jack.
(3)
(6) Select your dial mode (Tone or Pulse)
(4) Plug the telephone line cord into the telephone wall outlet.
(3) Plug the AC adaptor into electric wall outlet.
(5) A standard telephone may also be plugged into receptacle marked TEL.

B. Handset

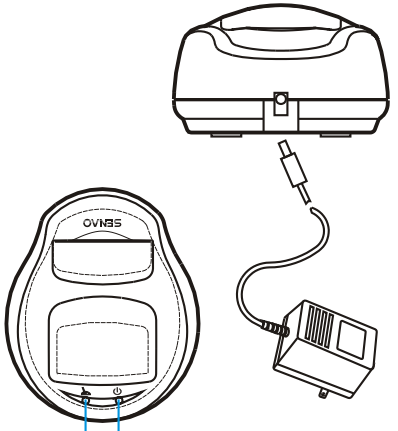
Take the battery from gift box and clip it into the handset.



(1) (2) (3)

C. Twin Charger

(1) Plug the AC adaptor to the DC IN jack.
(2) Plug the AC adaptor into the electric wall outlet.
(3) The spare battery indicator will becomes red while is in charge. It becomes green while the battery is fully charged. It takes around 2 hrs. to fully charge Ni-Mh battery pack, and 4 hrs for Li-Ioh battery pack.



Spare battery indicator — Power indicator

Please use only the SENAO AC adaptor supplied with this charger.

※ *Voice Scramble--[Off, On]*

This option is used to activate the scrambler function. When "On" is selected, it'll secure your phone conversation.

※ *Custom Name*

When this option is select, you are allowed to edit the stand-by format. The max. number of available characters are 15. You can get the characters by either pressing following keys or scrolling the smart switch. The CLR key is available for you to delete the wrong typing, and press smart switch can save the edited format to the handset.

Available Characters

Press the appropriate keys to get the following characters

(1) & 1 ( ) + - . / = :	(2) ABC2
(3) DEF3	(4) GHI4
(5) JKL5	(6) MNO6
(7) PQRS7	(8) TUV8
(9) WXYZ9	(0) blank, 0

※ *Register Base*

This option is used to register your new bought handset to the base. Please follow the described steps bellow.

* On base, press MEMORY → MEMORY → 5 → N N (ID of the new bought handset)
* On handset, access this option.

Please be notified that the ID of handset shall be with two digits and the above steps for both of base and handset shall be finished within 10 seconds. If fail to register, please repeat above steps again.

※ *Language*

This option is used to change the displayed language. The option as multiple setting. When you select a language, all further display prompts and message will be in the selected language.
If you enter wrong language menu, please follow the procedure shown below to back your own language menu.

1. Press END key.
2. Press smart switch.
3. Press key 2 6 .
4. Selecting your own language menu by scrolling up or down the smart switch.

※ *Flash Time--[80,100,200,300,400,500,600,700,800,900mS]*

Please check with your service provider to select the appropriate flash time.

0 Keypad Lock

This option is used to lock the operation of keypad to avoid any wrong touch. The screen will display Keypad Locked to confirm this operation. You can press smart switch twice within one second to unlock keypad. This option will be off while the handset is being paged but it will be resumed within 10 sec. After ending calls.

1 Sound Setting

※ *Ringing Volume*--[Ascending , High , Middle , Low , Mute , Vibrate]

This option is used to set the incoming call ring tone volume. There are 6 types of setting making your phone alert you to an incoming call. (Vibrator function is optional)

※ *Keypad Volume*--[Maximal , High , Middle , Low , Mute]

This option allows you to change or disable tones you hear when you press a key.

※ *Ringing Tone--[Melody 0....15]*

This option sets the type of tone your handset will make when an incoming call is received. There are 16 types of alternatives for your selection.

※ *Paging Tone--[Melody 0....15]*

This option sets the type of tone your handset will make when an intercom is received. There are 16 types of alternatives for your selection.

2 Parameter

※ *LCD Contrast--[Level 0....14]*

This option is used to change the contrast of screen display. The option has 15 level for your selection.

※ *Battery Saving--[Normal , On]*

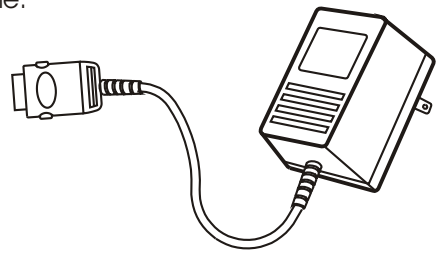
This option can help you to conserve battery power when the On is selected.

※ *Radio Power --[Auto , Maximal , High , Middle , Low]*

This option allows you to set the radio power of your handset. The talk time will be getting longer and communication range will be getting shorter if the selected power is getting lower. Please select the proper option based on your located environment. The option, Auto, will enable your handset to automatically adjust the radio power based on the distance between base and handset.

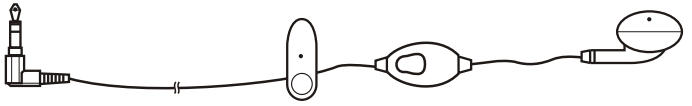
D. Travel charger (For Additional Handset)

Extremely light, the functionally designed fast & light charger charges phone battery quickly. Plug the charger into a wall socket and insert the connector to the bottom of your phone.
The charging times is approximately 4 hours. Check the charging status on the phone display. You can also use your phone while charging.



E. Ear-Microphone

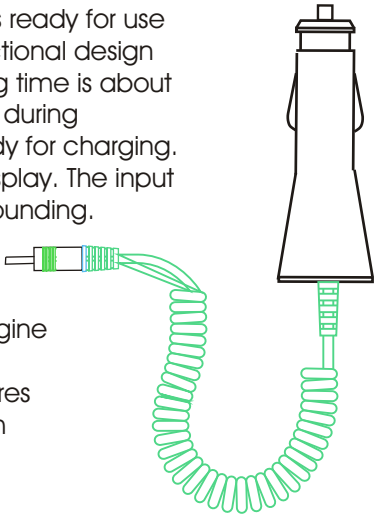
You can answer and end calls by pressing the button on the microphone part of the personal handsfree. It also could be used as the Walkie-Talkie function. You can press button to talk, then release it to listen.



Note: To end calls, please keep pressing button for more than 2 sec.

F. Cigarette adaptor

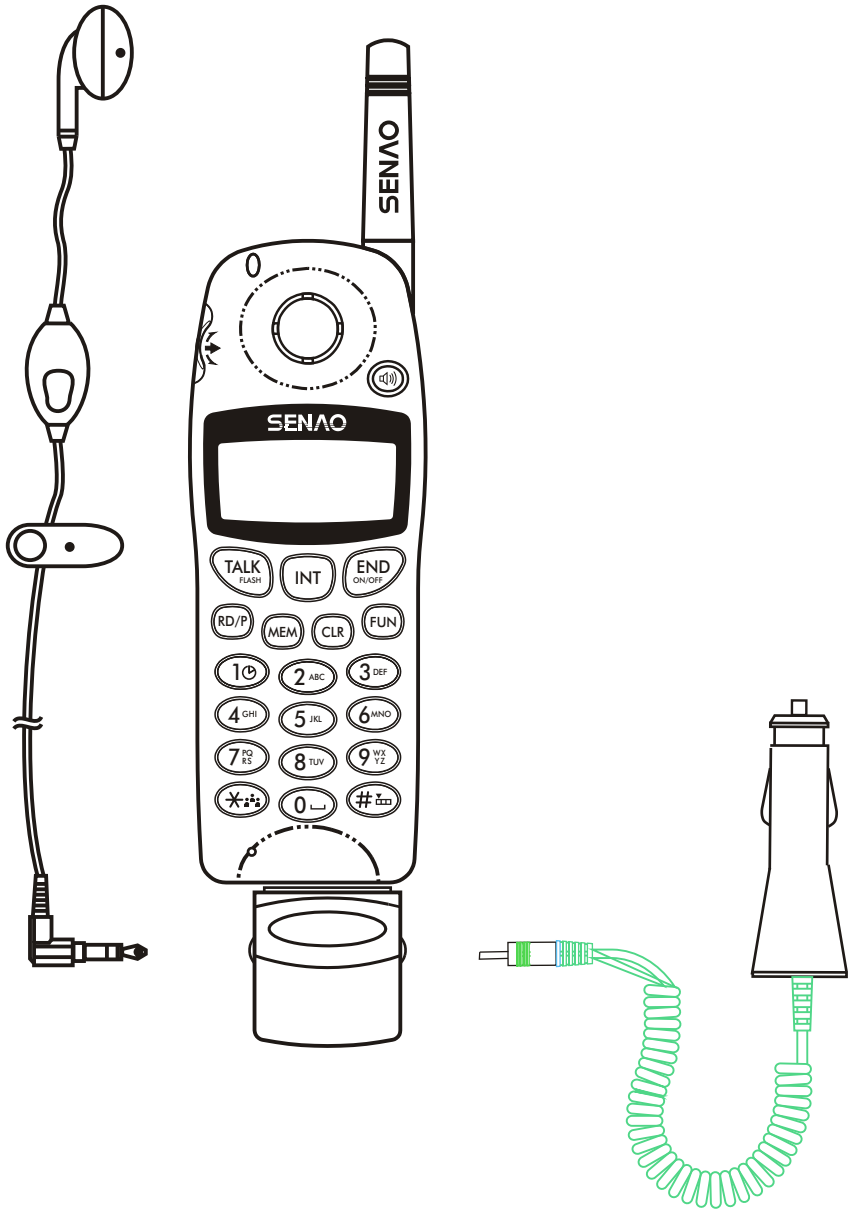
The cigarette adaptor ensures your phone is ready for use wherever you travel. This small charge's functional design fits most car lights and interiors. The charging time is about 4 hours, and you can use your phone freely during charging. A green light indicates that is ready for charging. Check the charging status on the phone display. The input voltage can be 12 or 24 V DC, negative grounding.



Avoid prolonged charging when the car engine is not running; this may cause the battery of your car to drain. Note also that in some cares the cigarette lighter plug is not provided with electricity if the ignition is switched off. Verify that green LED light is on.

G. Ear Phone Jack

This jack is used for connecting ear-microphone and cigarette adaptor to handset. Please connect them like the figure below.



Setup Menu

Select Setup

- **0 Keypad Lock**
- **1 Sound Setting**
  - 0 Ringing Volume
    [Ascending, High, Middle, Low, Mute, Vibrate]
  - 1 Keypad Volume
    [Maximal, High, Middle, Low, Mute]
  - 2 Ringing Tone
    [Melody 0....15]
  - 3 Paging Tone
    [Melody 0....15]
- **2 Parameter**
  - 0 LCD Contrast
    [Level 0....14]
  - 1 Battery Saving
    [Normal , On]
  - 2 Radio Power
    [Auto, Maximal, High, Middle, Low]
  - 3 Voice Scramble
    [Off, On]
  - 4 Custom Name
  - 5 Register Base
  - 6 Language [1,2,3,4]
  - 7 Flash Time
    [80,100,200,300, 400,500,600,700, 800,900mS]
  - 8 Master Reset
- **3 Set Date&Time**
  - 0 Date Setting
  - 1 Time Setting
- **4 Caller ID**
  - 0 Area Code
  - 1 +Country Code
  - 2 Call Waiting
    [Off , On]

Using the Options Menu

Select Setup
- 0 Keypad Lock
- 1 Sound Setting
- 2 Parameter
- 3 Set Date&Time
- 4 Caller ID

Select Memo
- 0 Last 10 Calls
- 1 Phone Book
- 2 ReceivedCalls
- 3 Walkie-Talkie

Press INT key
- Voice Volume
- Transfer
- Walkie-Talkie
- Radio Power
- Voice Scramble
- Change Channel

Press TALk key
- Voice Volume
- Transfer
- WakieTalkie
- Radio Power
- VoiceScramble
- Change Channel
- Redial
- Flash

H. Battery Charge

The handset can be charged on the base unit or the charger.

(1) Place the handset on the base unit with facing up.
The CHARGE indicator light will turn on.

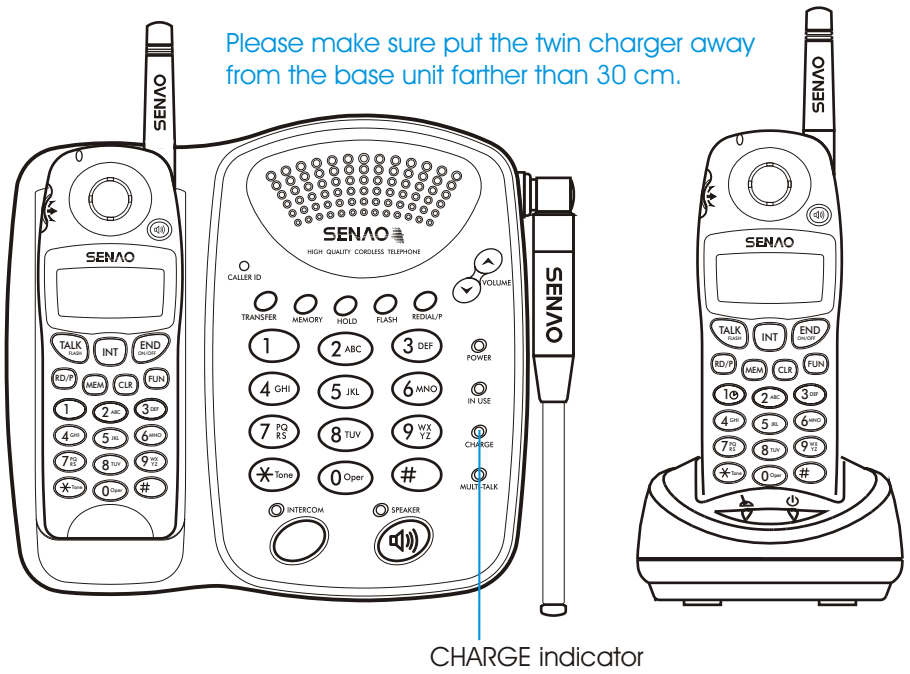
(2) Place the handset in the charger with keypad facing the front of the charger.

(3) While charging the handset, the LCD on handset will display "Battery is rapidly charging" and red LED indicator on handset will turn on.

(4) While the handset has been fully charged, the LCD on handset will display "Battery has been fully charged", or " battery is trickly charging". The green LED indicator on handset will turn on.

(5) The life time of battery will be affected by the surrounding temperature, the LCD on handset will display "Battery temperature is too high" and stop charging automatically while the surrounding temperature is too high. The charging will be resumed once the Temperature is come down to be below 40℃ .

(6) The suggested environment temperature is between 10℃～30℃ .



I. Outdoor Antenna

Installation of the outdoor antenna is very important for communication range and quality. Be sure to follow the following steps.

1. Use the wrench to screw the antenna tightly.

2. Lock the 6 ground planes with the base part as illustrated in Figure 2.
   NOTE: Long and short ground planes should be alternately arranged.

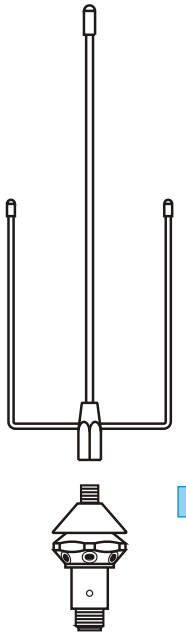


Figure 1

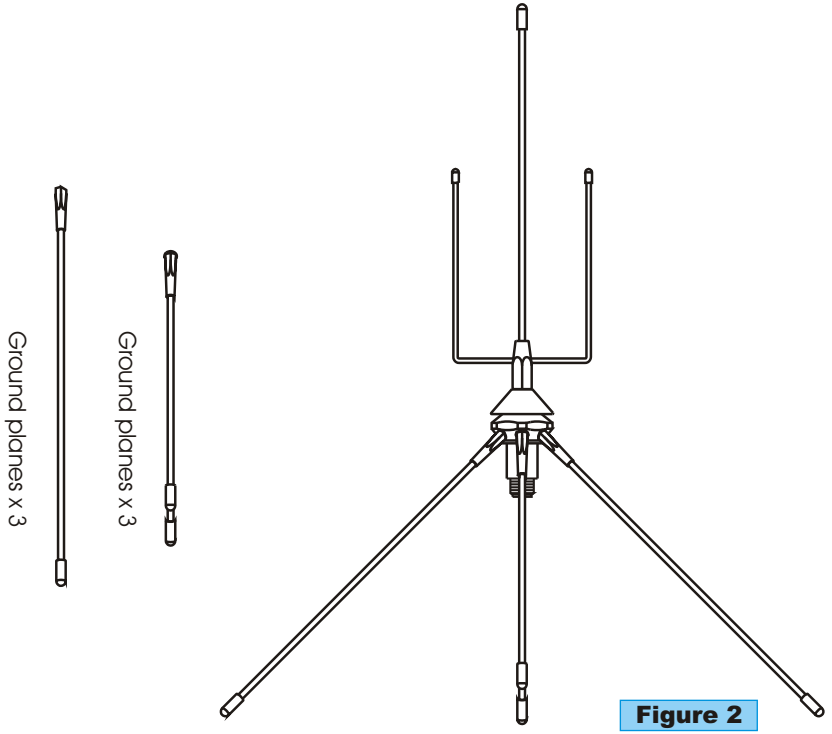


Figure 2

Menu navigation with Smart Switch

A large number of your handset's options are accessed by using smart switch which is specially designed to allow you operate this handset with one thumb only. The access uses a common approach for selection, change and cancellation. Please read this section carefully before attempting to access smart switch. When you understand the common approach to menu navigation and how the options are shown, you will be able to access and change options with ease. The menu described here can be started accessing when the handset is in the standby mode.

Entering the Menus

You can either scroll or press smart switch to access the menu.
Once enter the menu, you can use smart switch to access and select options.

Leaving the Menus

To leave any one of the menus you can press CLR once. Either press and hold CLR key or press END key, it will return your phone to the stand-by mode.

Menus and Sub-menus

A menu is a simple list of options. Some of options provide access to a further list of options called a sub-menu. When navigation through the menus you may find it helpful to think in terms of menu levels-the "present" menu being on one level and its sub-menus being on a lower level.

Moving to and selecting a Menu Option

To move from one option to another on the same level, use smart switch to scroll upwards or downwards. When you find the option you want, press smart switch to select it.
Depending on the option you select, one of two things will happen:

- ※ either a brief message will be displayed confirming an action, for example OK
- ※ or the first and second option of a sub-menu will be displayed. You can select this option pressing smart switch or browse through the other options by scrolling the smart switch.

L. Changing Channel:

During a call in progress, you can press FUN then # to change radio channel to avoid interference.

M. Automatic Dialing

1. Storing phone numbers in memory (10 sets of 32-digit number maximum) (in stand-by mode)

MEM → 2 2 1 8 3 5 8 8 → MEM → N

Phone No. Store (N: 0~9)

NOTE:

The location of these memories are the same as ones used in the function of Phone Book from 0 0 to 0 9 . The saved memory will be replaced if two approaches are accessed to the same location.

2. If the base unit is connected to a PBX we recommend you press RD/P (PAUSE) followed the access number 0 or 9 for an outside line and the phone number.

MEM → 0 → RD/P → 2 2 1 8 3 5 8 8 → MEM

Access No. Pause Phone number Store

→ N (in stand-by mode)

Location(N:0~9)

※ Pressing RD/P (PAUSE) once creates a 3 second pause. This can prevents miss dialing when you redial or dial a stored number.

3. Dialing a stored number

TALK → MEM → N (N: 0~9)

Auto dial the phone number stored in location " N ".

Press TALK First, then press MEM → N after hearing the dial Tone.

N. Find Personal Name & Number

In standby mode, you are allowed to press location number (two digits, from 0 0 to 4 9) and MEM key to find personal name & number.

3. Assemble cable jack with the base part as illustrated in Figure 3.

4. Find a pole which is over 5 M long and 22~39 mm in diameter and screw it with the base tube as indicated in Figure 4.

NOTE: A bamboo pole is preferred. If a metal one is used, be sure it is isolated.

5. Put up the pole and make a loop with the cable cord. The loop which is 15 cm in diameter to prevent water from going down into the base unit (as figure 5).

6. The assembled outdoor antenna (as indicated in Figure 6).

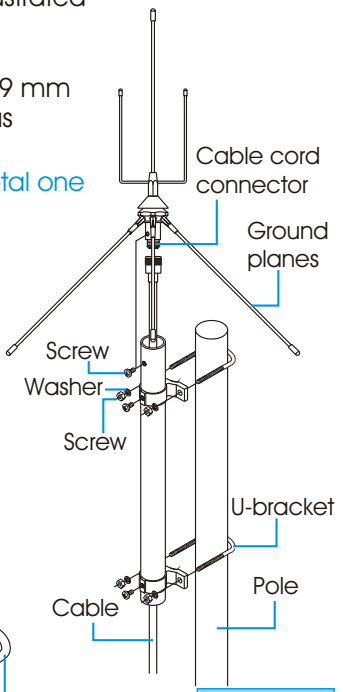


Figure 3

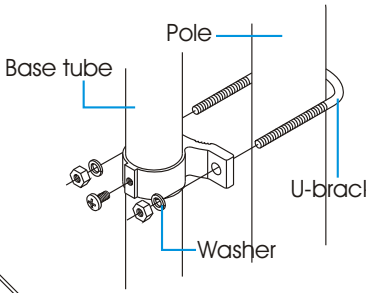


Figure 4

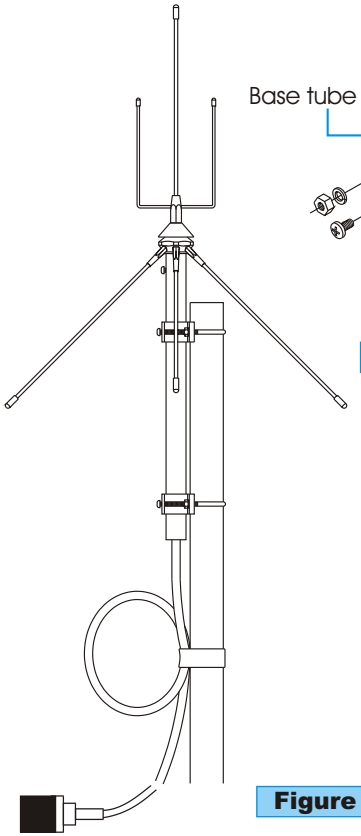


Figure 6

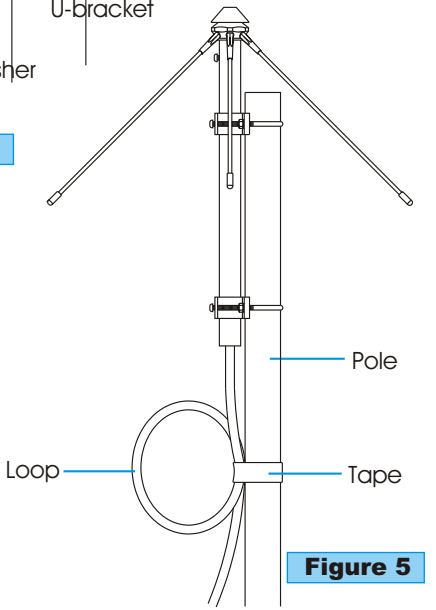


Figure 5

NOTES:

(1) Make sure that the cable is tied to the cable connector in order to maintain the radio frequency transmission performance.
(2) The ground plane should be at least 3 meters above the ground.
(3) No obstruction can be existed within 3 meters from the antenna (as shown in Fig 7~9).
(4) Straighten the remaining cable.
(5) Bending cable cord will increase loss of transmission power.
(6) Make a loop before pulling the cable into the house. The loop can prevent rain from going into the house.
(7) The higher the antenna is installed the better the communication will be.
(8) Keep the antenna and cable away from high-voltage sources to avoid electric shocks. Don't install the antenna in the rain to avoid thunder striking.

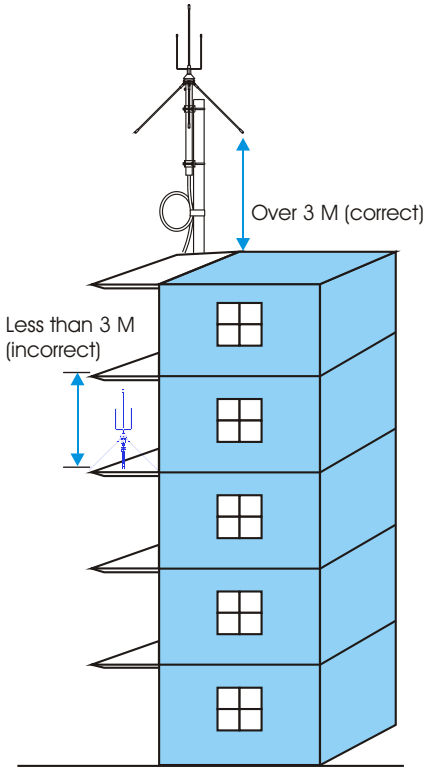


Figure 8

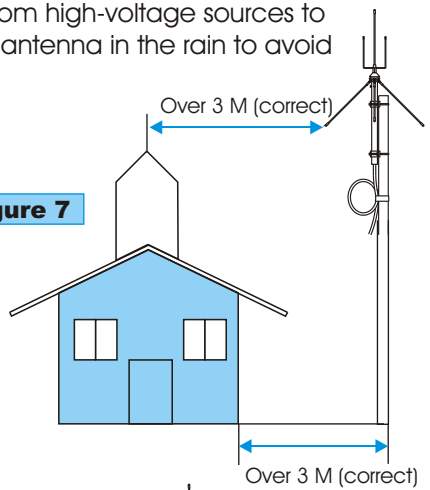


Figure 7

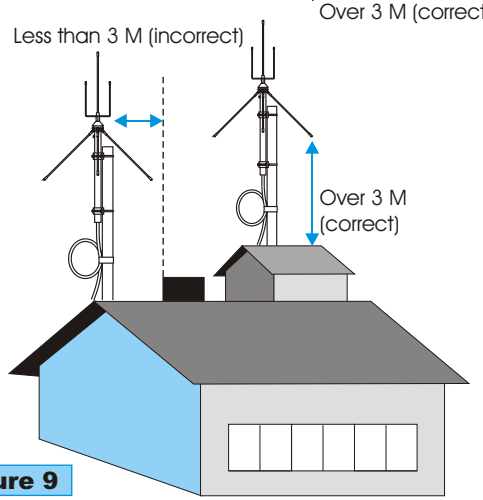


Figure 9

F. Redial:

Press RD/P key from TALK Mode

G. Call waiting/Receiving a second call:

From TALK MODE, the TALK key operates as a FLASH function that allows you to place the first call on hold. Placing TALK Key again will return you to the first call, placing the second call on hold.

H. Intercom:

1. Paging the base from handset
a. Handset : From STANDBY mode, press INT key to establish the Intercom
b. Base: When the other party's voice is heard, answer through the microphone.

2. Paging the handset from base
a. Base: Press INTERCOM key to establish the intercom.
b. Handset: Press any key except END key to answer intercom

I. Transferring calls:

During a call in progress, you can press FUN key first and then followed by:
* Either the ID number of the target handset to place the call on hold and be transferred to target handset.
* or press 0 0 key to place the call on hold and be transferred to base.
* or press * key to transfer phone call to any one of the handsets.

J. Walkie-Talkie between handsets:

1. Press FUN key, INT key then the ID number of the target handset to establish this function.
2. During a call in progress, the call will be on hold.
3. You can continuously press smart switch to talk and release it to listen To.
4. Base unit can join the conversation with two handsets by pressing INTERCOM key. Pressing INTERCOM key again enables you to disable this group conference.
5. You can press FUN INT * key to communication with any one of the other handsets.
6. During the conference proceeding, the multi-Talk indicator of base Unit will be turned on.

K. Voice Volume:

Adjust the volume on the handset can be done during a call or when in the TALK mode. When in the TALK mode, scrolling up or down the smart switch can adjust the volume from 6 different levels.

Basic Operation for Handset

A. Turn On/Off Handset:

1. When the handset is under power-off, you can press END key to turn it on. A tone " DO-MI-SO" will be sounded.
2. When the handset is in the standby mode, you can press END key to turn it off. A tone "SO-MI-DO" will be sounded.

B. Making Calls:

You can make an outgoing call in one of two ways.

1. From the STANDBY MODE, enter the number you wish to call. The number you input will appear on the handset screen as typed, then press TALK Key to make a call.
2. From the STANDBY MODE, you can press TALK Key to make a call. When the dial tone is heard, you can dial a number and the screen will display the number being dialed.

C. Answering Calls:

1. If the handset is in the base or charger, pick up the handset to answer the call. Otherwise, press any key except END key to take the incoming call.
2. If your caller ID service is available, the LCD screen on handset will display name (FSK System only) and phone number as well as ✉ icon Flashes.
3. "Missed calls" appears and followed by " ★ " plus two digits represent the numbers of unread calls. You can refer to the option of ReceivedCalls for looking over its content.

D. Disconnecting calls:

From the TALK MODE, you can end a call by pressing END key or by placing the handset in the base or charger.

E. Hands-free Speaker Phone:

Once press the 🔊 button on the right-upper corner of handset to enter this function. The 🔊 icon will appear on the LCD screen It allows the voice coming from the rear speaker in order that you can make a conversation not need to hold the handset. The suggested distance between the location of handset and your mouth for performing this function is 30cm.

Basic Operation for Base

A. Call function

A-1. Making calls

For example, dial the phone number 22183588.

🔊 → 2 2 1 8 3 5 8 8

Press 🔊 first, then dial the number after hearing the dial tone.

※To hang up, press 🔊 again.

A-2. Redial

🔊 → Redial

While in standby mode, press 🔊 first, then press Redial .

A-3. Automatic Dialing

1. Storing phone numbers in memory (20 sets of 16-digit number maximum) (in stand-by mode)

MEMORY → 2 2 1 8 3 5 8 8 → MEMORY → N

Phone number Store (N: 00~19)

2. If the base unit is connected to a PBX

We recommend you press REDIAL/P (PAUSE) followed the access number 0 or 9 for an outside line and the phone number.

MEMORY → 0 → REDIAL/P → 2 2 1 8 3 5 8 8 →

Access No. Pause Phone No.

MEMORY → N (stand-by mode)

Store Location(N:00~19)

※ Pressing REDIAL/P (PAUSE) once creates a 3 second pause. This can prevents miss dialing when you redial or dial a stored number.

3. Dialing a stored number(in standby mode)

🔊 → MEMORY → N (N: 00~19)

Auto dial the phone number stored in location " N ".

Press 🔊 First, then press MEMORY → N after hearing the dial tone.

4. Answering Calls

Press 🔊 to answer a call.

※ To hang up, press 🔊 again.

A-4. Paging the target handset from the base unit

(1) If you want to talk to a specific handset, please follow below steps.
[N] [N] → [INTERCOM] → paging
([N] [N] is the ID of target handset)
Once only press [INTERCOM] key , it Means paging all handsets.
※ To stop paging, press [INTERCOM] again.

(2) Target handset: Press any key except [END] or pick it up if it is placed on the base unit or on the charger to answer.

(3) Target handset: To end the intercom, press [END] key or place the handset on the base unit or on the Charger.

NOTE:

1. Once paging from the base unit, a confirmed melody will sounds if the base unit receives the response from the handset. If the melody does not sound, it means that:
   (1) The handset is off.
   (2) The handset is out of communication range.

A-5. Intercom during a call

While you are using base unit making or answering a call, there are two methods to talk to the handset but still hold the telephone call.

1. If you want to talk to any handset, please press [INT] key only. It will hold the telephone call, send a hold music to the line and base unit will page all handsets. Any one of the handsets can answer your paging.
2. If you want to talk to a specific handset, please follow below steps.
   [HOLD] → [N] [N] → [INTERCOM] → paging
   ([N] [N] is the ID of target handset)
   The operations keep the telephone line and send hold music to the line. And the base unit calls the target handset ID [N] [N] . Only handset [N] [N] will respond to the paging.
3. During handset and base unit talking, either base unit or handset can resume the call. In base unit, press [🔊] directly to resume the call. In handset, press [TALK] Key to resume the call.

A-6. Transfer a phone

While you are using base unit making or answering a call, there are two methods to transfer the phone call to other handsets.

1. [Transfer] → [N] [N] or [*]
   ([N] [N] is the ID of target handset, [*] is for all handset)
2. [HOLD] → [TRANSFER] → [N] [N] or [*]
   ([N] [N] is the ID of target handsets, [*] is for all handsets)
3. You can hear the transfer tone " Do, Mi, So " about 30 second, if no answer from target handset, you can hear feedback tones to alarm you talking again.

B. Setting

B-1. Ring volume

During base unit in standby mode, press ^ or v to adjust ring volume. There are at least 8 steps can be selected.

B-2. Voice volume

While base unit in Intercom or speakerphone mode, press ^ or v to adjust the voice volume. There're at least 7 steps can be selected.

B-3. Tone/Pulse dialing mode

There is a Tone/Pulse switch in the rear panel of base unit for you to select the proper dialing mode.

B-4. Flash time setting

[MEMORY] → [MEMORY] → [Flash] → [N] (0~9)
[N] : flash time

[0] : 80ms	[3] :300ms	[6] :600ms	[9] :900ms
[1] :100ms	[4] :400ms	[7] :700ms	
[2] :200ms	[5] :500ms	[8] :800ms	

B-5. M/B ratio

1. Set the M/B ratio=40/60
   [MEMORY] → [MEMORY] → [3]
2. Set the M/B ratio=33/66
   [MEMORY] → [MEMORY] → [4]

B-6. Set Ring Melody

[MEMORY] → [MEMORY] → ^ or v

B-7. Set area code

[MEMORY] → [MEMORY] → [1] area code (max 3 digits)

B-8. Set plus code Country code

[MEMORY] → [MEMORY] → [2] plus country code (max 3 digits)

B-9. Register new handset

[MEMORY] → [MEMORY] → [5] → [N] [N] ([N] [N] : New ID of handset)

10. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.

11. To reduce the risk of electric shock, do not disassemble this product. Take it to an authorized service center when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risk. Incorrect reassembly can cause electric shock when the appliance is subsequently used.

12. Unplug this product from the wall outlet and refer servicing to an authorized service center when the following conditions occur:

A. When the power supply cord or plug is damaged or frayed.
B. If liquid has been spilled into the product.
C. If the product has been exposed to rain or water.
D. If the product does not work normally by following operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
E. If the product has been dropped or the cabinet has been damaged.
F. If the product exhibits a distinct change in performance.

13. Avoid using a telephone (other than a cordless type) during an electric storm. There may be remote risk of electric shock from lightning.

14. Keep the outdoor antenna cable away from sources of high-voltage to avoid electric shock when installing the outdoor antenna for this product.

15. Do not use the telephone to report a gas leak in the vicinity of the leak.